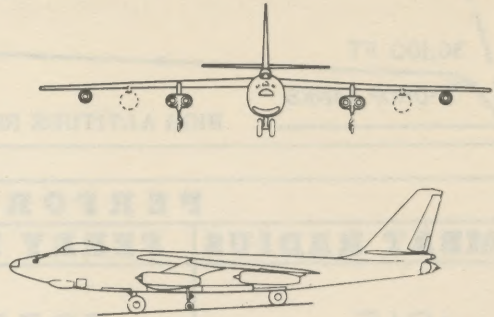


Characteristics Summary

RECONNAISSANCE RB-47E



"STRATOJET"



BOEING

Wing Area 1428 sq ft Length 109.8 ft
Span 116.0 ft Height 28.0 ft

AVAILABILITY

Number available

ACTIVE

RESERVE

TOTAL

PROCUREMENT

Number to be delivered in fiscal years

STATUS

1. The RB-47E differs from the RB-47B by the installation of the J47-GE-25 engine and strengthening of landing gear to permit heavier T.O. weight.

Navy Equivalent: None

Mfr's Model: 450-158-36

POWER PLANT

(6)J47-GE-25
General Electric
ENGINE RATINGS

S.L.S. LB - RPM - MIN
Max: *7200 - 7950 - 5
5970 - 7950 - 5
Mil: 5670 - 7800 - 30
Nor: 5320 - 7630 - Cont
*wet
with water flow of *650lb/min
ATO
No. & Model. *†(33)14AS1000
33,000
Thrust (lb) 27,000
Duration (sec) 14
or
No. & Model . . †(19)15KS1000
Thrust (lb) 19,000
Duration (sec) 15
†Manufactured by Aerojet
*See note e, Note block

FEATURES

Crew 3
Thermal Anti-icing
AN/APQ-31A Bombing-
Navigation Radar
A-5 Fire Control System
Anti-Skid Brakes
Approach Chute
Braking Chute
Ejection Seats
Internal Fuel Tank Purging
Single-Point and Air Re-
fueling
External Droppable ATO
Rack

Max Fuel Cap: *18,405 gal

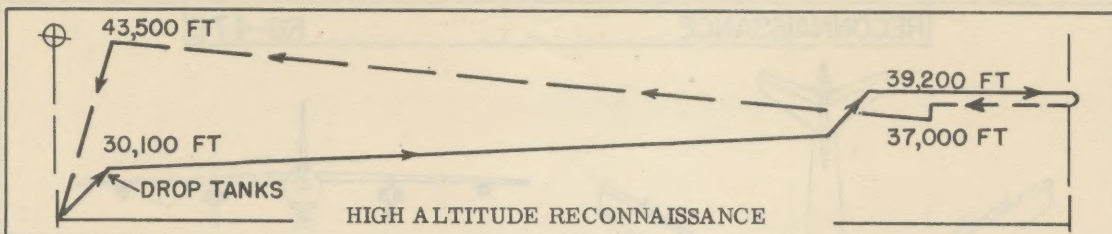
*Includes wing drop tanks &
large ATO tank

ARMAMENT

Turrets: 1
Guns: . . . 2x20mm(M24A1)
Ammunition (tot):. . 700 rds

PHOTO. EQUIP.

Vertical Camera Station
(1)K-38;*(1)K-37;*(1)T-11
Tri-Camera Station
(3) KA-3
Forward Oblique Station
(1) K-38
Split Vertical Station
(2) K-38; *(K-37)
Flash Bombs: . . 10/M-120
plus
Photoflash Cart. 200/M-112
*Alternate Installations

Characteristics Summary Basic Mission RB-47E**P E R F O R M A N C E**

COMBAT RADIUS	FERRY RANGE	S P E E D
1915 naut. mi with 720 lb chaff at 433 knots avg. in 8.92 hours.	3935 naut. mi with 15,969 gal fuel at 433 knots avg. in 9.15 hours at 200,000 lb T.O. wt.	COMBAT 478 knots at 39,200 ft alt, max power MAX 497 ^(c) knots at 20,000 ft alt, max power BASIC 490 knots at 35,000 ft alt, max power
C L I M B	C E I L I N G	TAKE - OFF
2110 ^(d) fpm sea level, take-off weight normal power	31,500 ^(d) ft 100 fpm, take-off weight normal power	ground run 8050 ft no assist 5650 ft assisted
4470 fpm sea level, combat weight maximum power	39,800 ft 500 fpm, combat weight maximum power	over 50 ft height 9450 ft no assist 7100 ft assisted
L O A D	W E I G H T S	STALLING SPEED
Chaff: 720 lb Ammunition: .700 rds/20mm	Empty..... 81,100 lb Combat... 130,180 lb Take - off 200,000 lb (2) limited by structure	157 knots power-off, landing config- uration, take-off weight
Fuel: 15,858 gal protected 63 % droppable 8 % external 8 %		TIME TO CLIMB _____

N O T E S

- Performance Basis:
 - Flight test data
 - All approved weight reduction items incorporated
 - Placard Speed
 - Values quoted are for T.O. weight less ATO, water and alcohol
 - (33) 14AS1000 ATO bottles can be utilized with or without displacement racks, however the displacement rack must be utilized in carrying max complement of (19) 15KS1000.
- Includes 4610 lb ATO and 5300 lb water and alcohol
- Revision Basis: To reflect changes in characteristics and security classification.